

CLAIMS

1. An electroconductive contact probe, comprising:
a holder member defining a plurality of holder holes passed across a
5 thickness of said holder member;
an electroconductive coil spring received in each of said holder holes,
a pair of electroconductive contact members provided on either axial end of
said coil spring;
an engagement portion provided in each of said holder holes for preventing
10 at least one of said contact members from coming off from said holder hole;
said electroconductive coil springs being installed in said holder holes so as
to be substantially unstressed under a rest condition of said contact probe.
2. An electroconductive contact probe according to claim 1, wherein said
15 contact members on either axial end of each coil spring comprise needle members.
3. An electroconductive contact probe according to claim 2, wherein a pair of
engagement portions are provided in either axial end of each holder hole to prevent
both of said needle members from coming off from said holder hole.
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4. An electroconductive contact probe according to claim 2, wherein an
engagement portion is provided in only one of two axial ends of each holder hole to
prevent the corresponding needle member from coming off from said holder hole.
- 25 5. An electroconductive contact probe according to claim 1, wherein said

contact member on one of said axial ends of each coil spring comprise a needle member, and the contact member on the other axial end of said coil spring consists of a coil end of said coil spring, said engagement portion being provided in each holder hole only to prevent said needle member from coming off.

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6. An electroconductive contact probe according to claim 1, wherein said engagement portion is provided in each of said holder holes for preventing only one of said contact members from coming off from said holder hole, and the other contact member is installed substantially flush with the outer surface of the holder member.

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7. An electroconductive contact probe according to claim 1, wherein said engagement portion comprises a shoulder defined in each holder hole.

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8. An electroconductive contact probe according to claim 7, wherein said holder member comprises a plurality of layered support members, and said shoulder is defined between adjoining two of said support members having holder holes which are coaxial to each other but having different diameters formed therein.

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